



FIG. 1

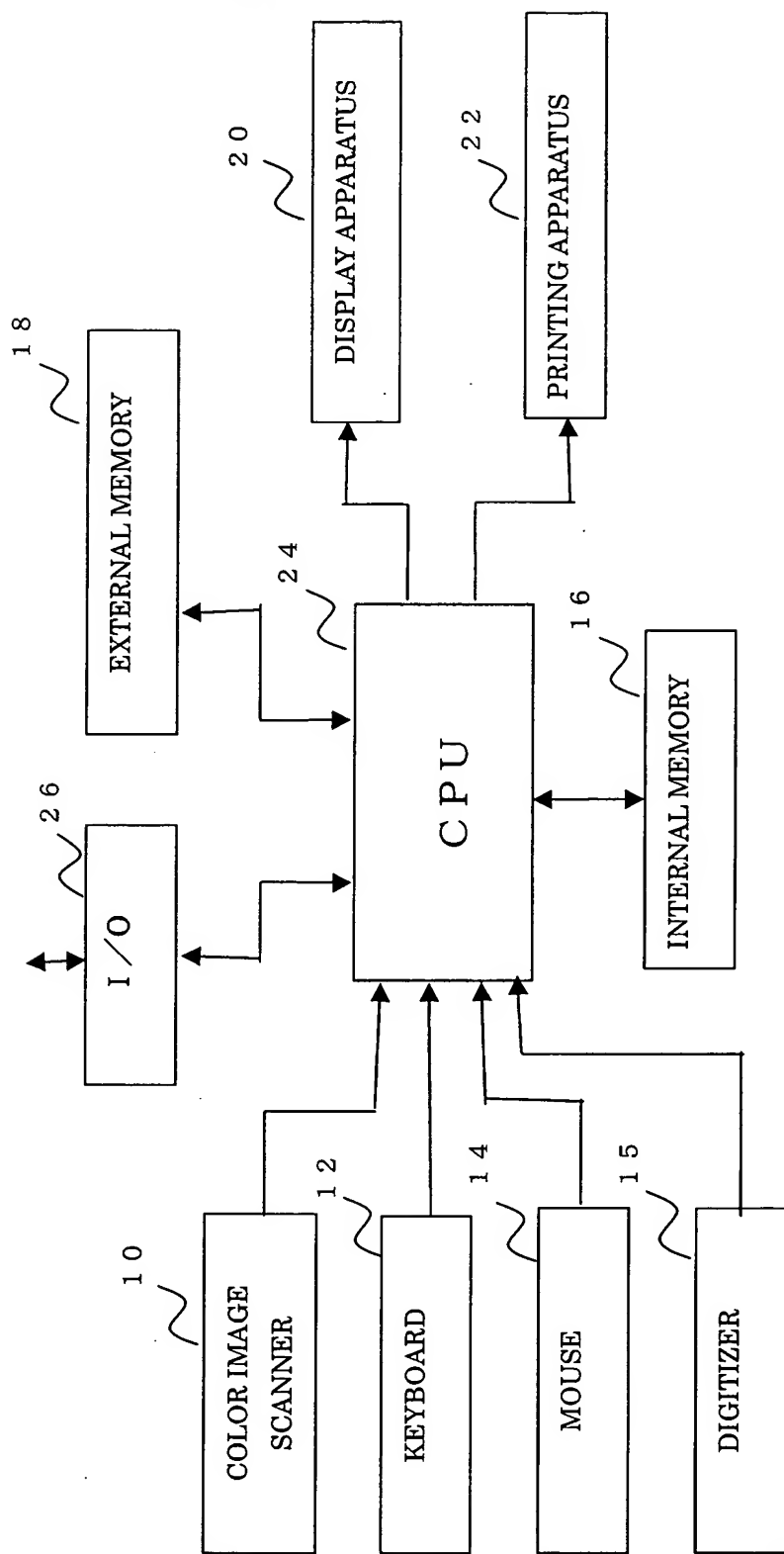


FIG. 2

[ MODE LIST ]

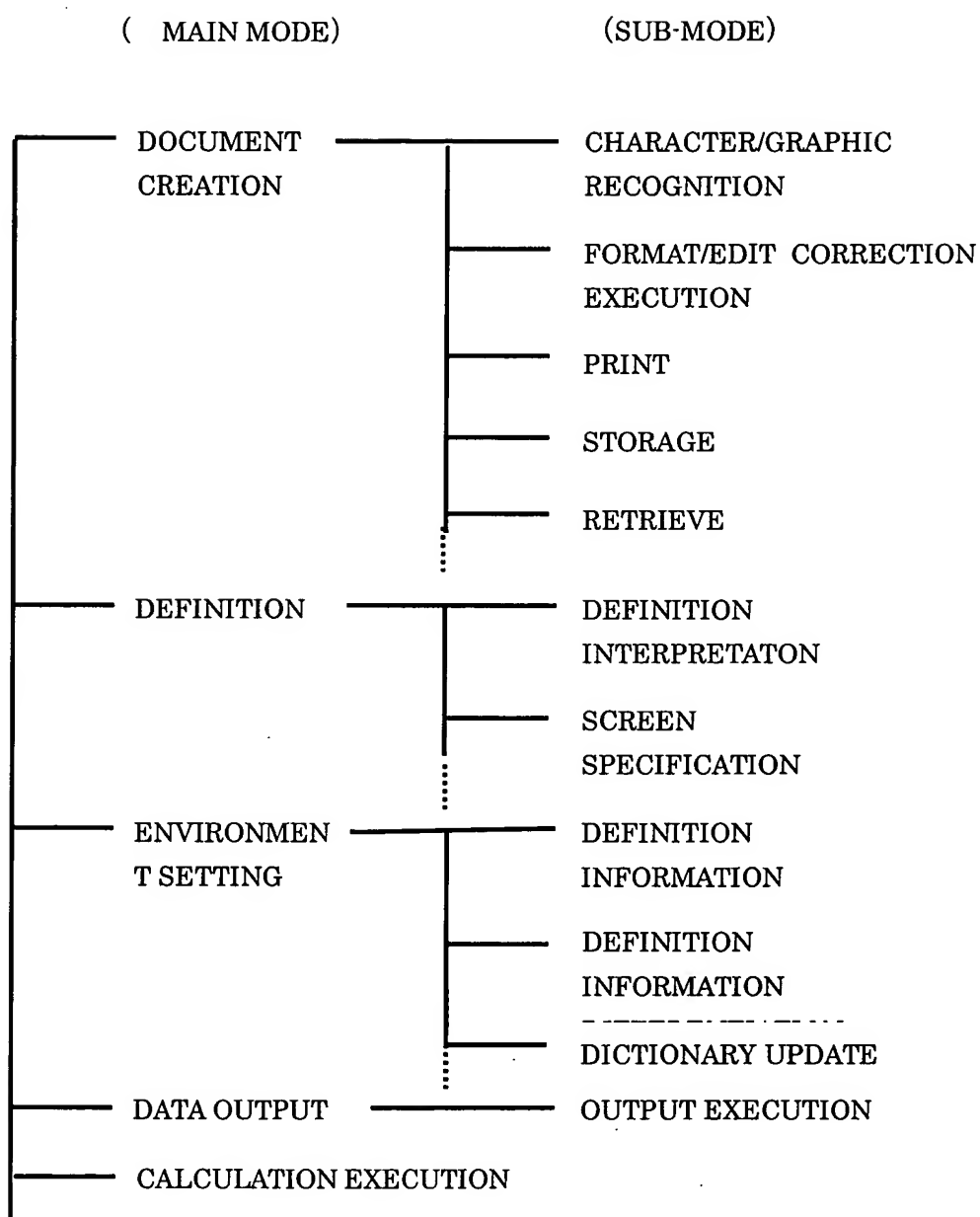
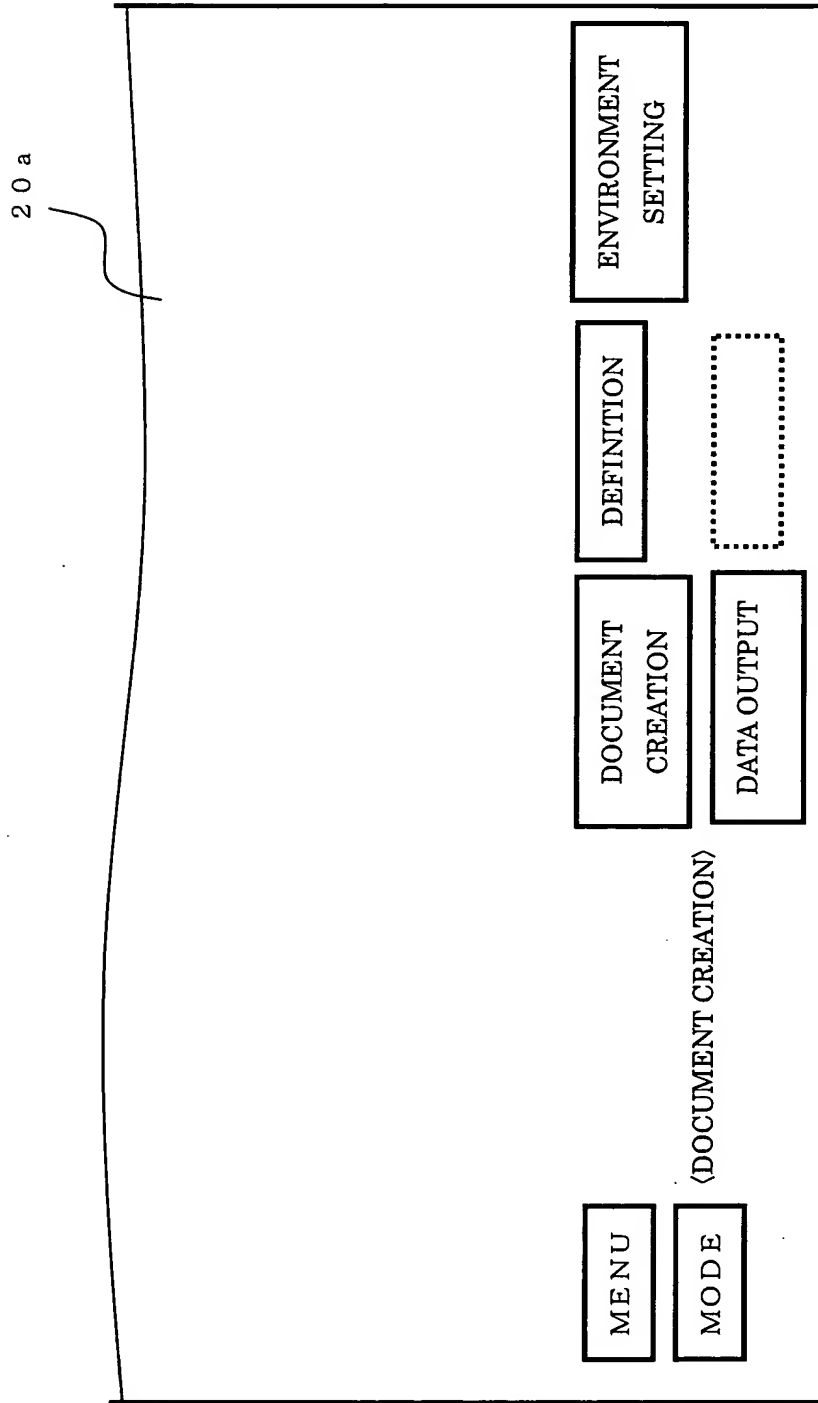


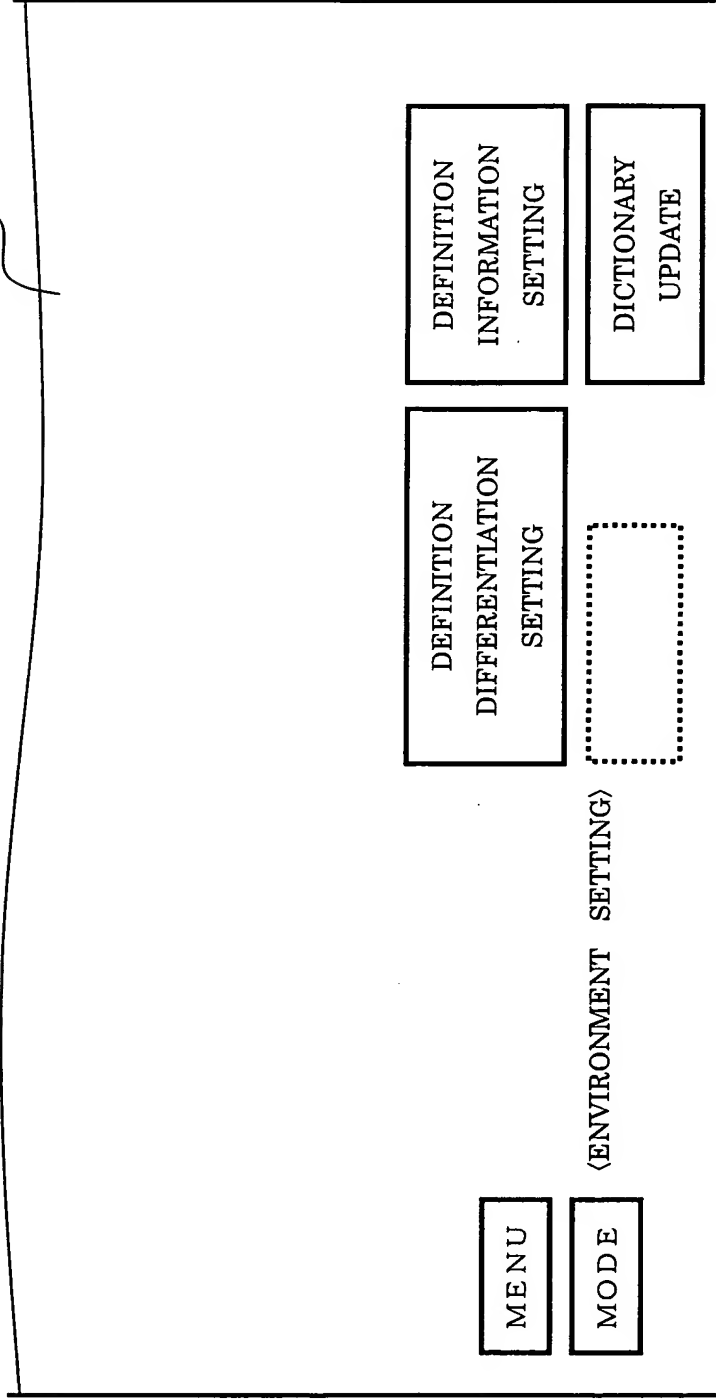
FIG. 3



[MAIN MODE LIST MENU SCREEN]

FIG. 4

20 a



[ENVIRONMENT SETTING MODE SCREEN]

FIG. 5

[DEFINITION ELEMENT/ENTRY INFORMATION REFERENCE TABLE]

DEFINITION SYSTEM	DEFINITION ELEMENT	CORRESPONDING DOCUMENT ELEMENT
COMMON	LINKING LINE	—
	REGISTERED WORD SPECIFICATION	○      ▨
FORM DEFINITION	·	·
	·	·
	DATA ITEM NAME	<   > ,   ▨
	FIELD DATA NAME	[   ], 「   」,   ▨
	DATA ENTRY ORDER	
	ASCENDING ORDER	↑
	DESCENDING ORDER	↓
	SIGNIFICANT DIGITS	"NUMBER" DIGITS
	ROUNDING METHOD	ROUND UP, ROUNDING UP
		ROUND DOWN, ROUNDING DOWN
		ROUND OFF
		·
	TABULATION NUMERIC VALUE	○
	NON-TABULATION NUMERIC VALUE	●
	DIFFERENCE CONDITION SPECIFICATION	△
	COMPOSITE FIELD SPECIFICATION	COMPOSITE, COMP.

FIG. 6

DEFINITION INFORMATION IDENTIFICATION DATA

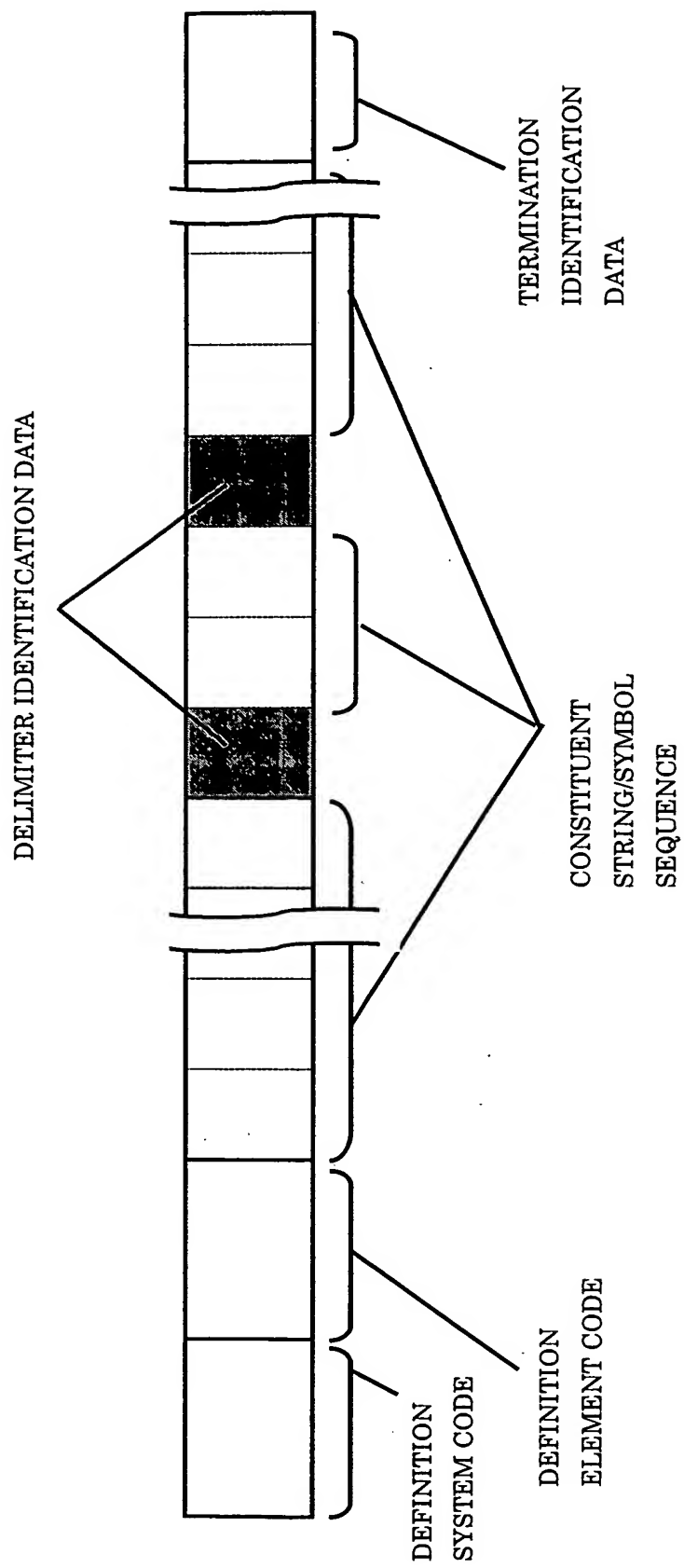


FIG. 7

20 a

[DEFINITION SYSTEM]	[COLOR]	[LINE MODIFICATION]	[LINE THICKNESS]	[HANDWRITING/ PRINT]
FORM DEFINITION	BLUE			
FORMAT DEFINITION	RED			
COMMON				
FILE DEFINITION	BLUE			
<div>MENU</div> <div>MODE</div> <div>END</div>				

[DEFINITION INFORMATION DIFFERENTIATION INSTRUCTING SCREEN]

FIG. 8

DEFINITION INFORMATION DIFFERENTIATION DATA

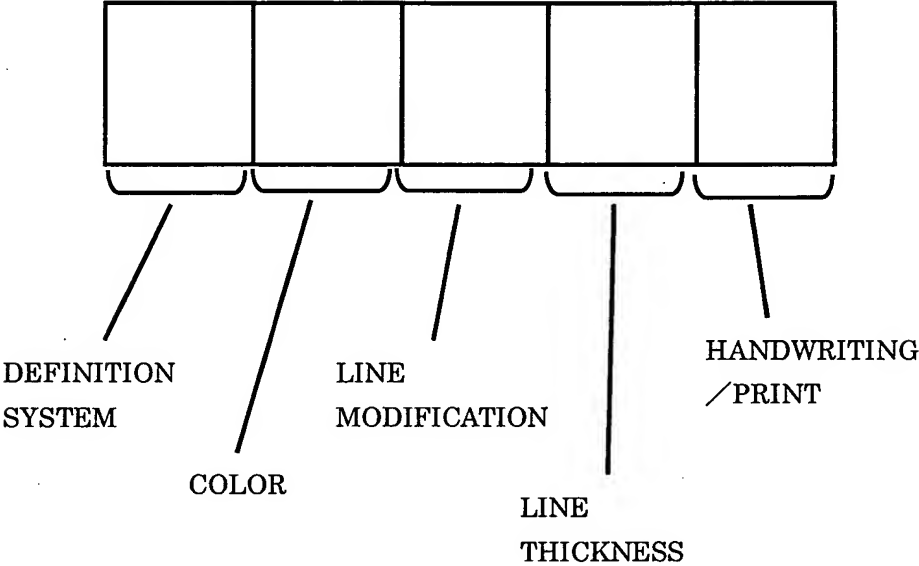




FIG. 9

SALES SUMMARY TABLE  
YEAR 2001

PRODUCT	TOKYO	OSAKA	NAGOYA	TOTAL
TELEVISION				
RADIO				
CAR NAVIGATION SYSTEM				
TOTAL				

FIG. 10

SALES SUMMARY TABLE

YEAR 2001

( [ ] INDICATES SALES OF YEAR 2000 )

PRODUCT	TOKYO	OSAKA	NAGOYA	TOTAL
TELEVISION	20,530 [19,380]	15,780 [13,250]	13,260 [11,320]	. . . [ . . . ]
RADIO	. . . [ . . . ]	. . . [ . . . ]	. . . [ . . . ]	. . . [ . . . ]
CAR NAVIGATION SYSTEM	. . . [ . . . ]	. . . [ . . . ]	. . . [ . . . ]	. . . [ . . . ]
TOTAL	. . . [ . . . ]	. . . [ . . . ]	. . . [ . . . ]	. . . [ . . . ]

FIG. 1 1

(BLUE) <PRODUCT> (BLUE) <BRANCH> (BLUE) <YEAR> (BLUE) [2001] (BLUE) [2000] (BLUE) ( [ ] INDICATES SALES OF YEAR 2000 ) (BLUE)

SALES SUMMARY TABLE

<PRODUCT>	[ TOKYO ]	OSAKA	NAGOYA	TOTAL
TELEVISION	[ ]	(BLUE)	(BLUE)	(BLUE)
RADIO	(BLUE)			
CAR NAVIGATION SYSTEM				(BLUE)
TOTAL	[ (BLUE) ]			(BLUE)

(BLUE) SALES (BLUE)

FIG. 12

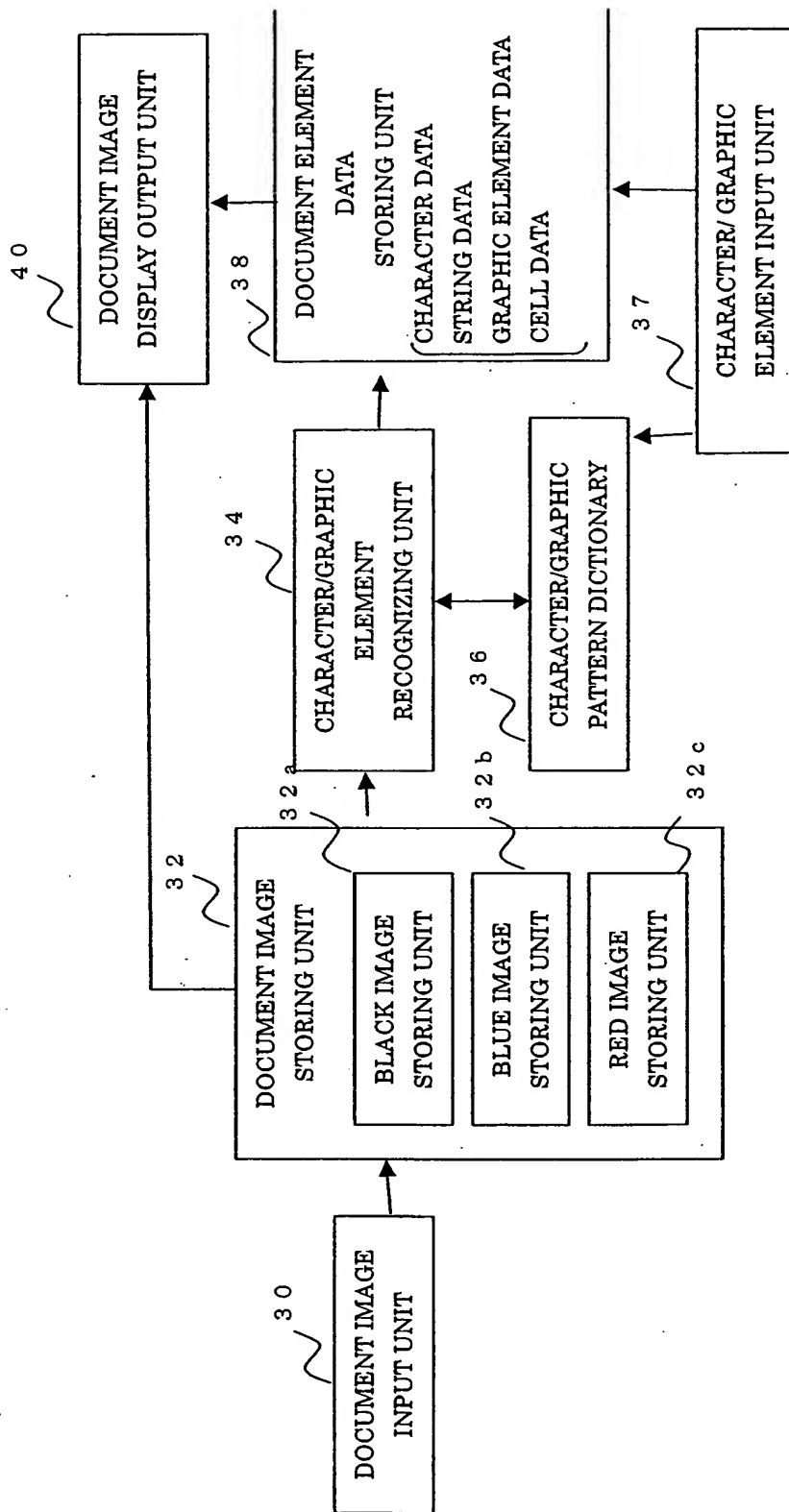


FIG. 13

IMAGE MANAGEMENT DATA

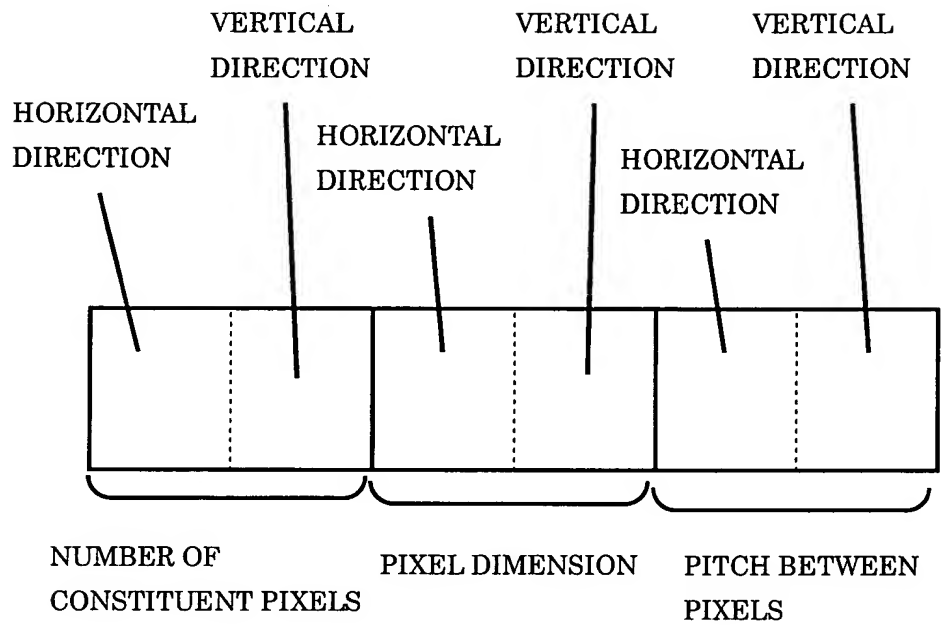


FIG. 14

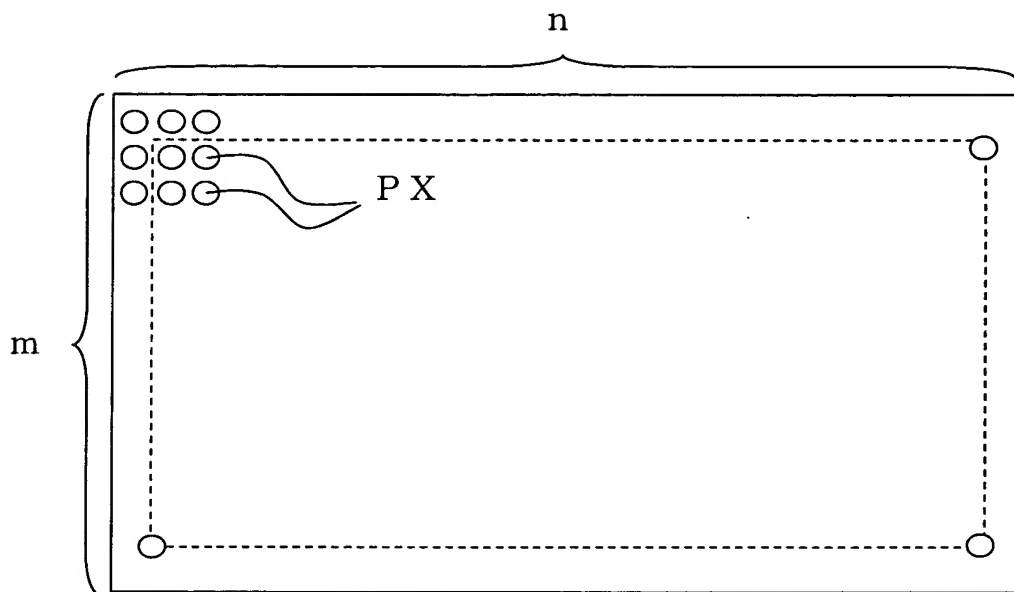


FIG. 1 5  
CHARACTER DATA

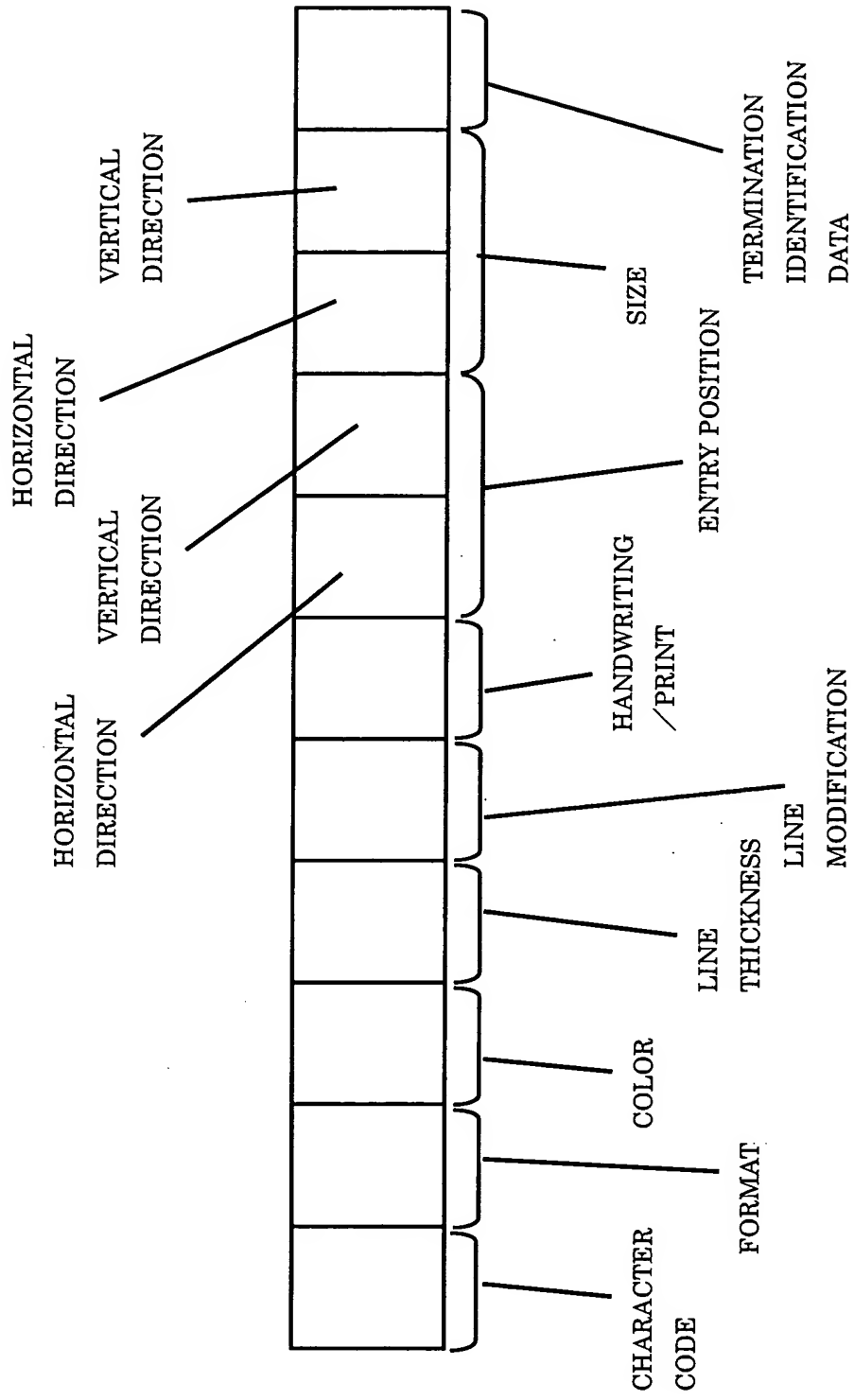


FIG. 1 6

CHARACTER STRING DATA

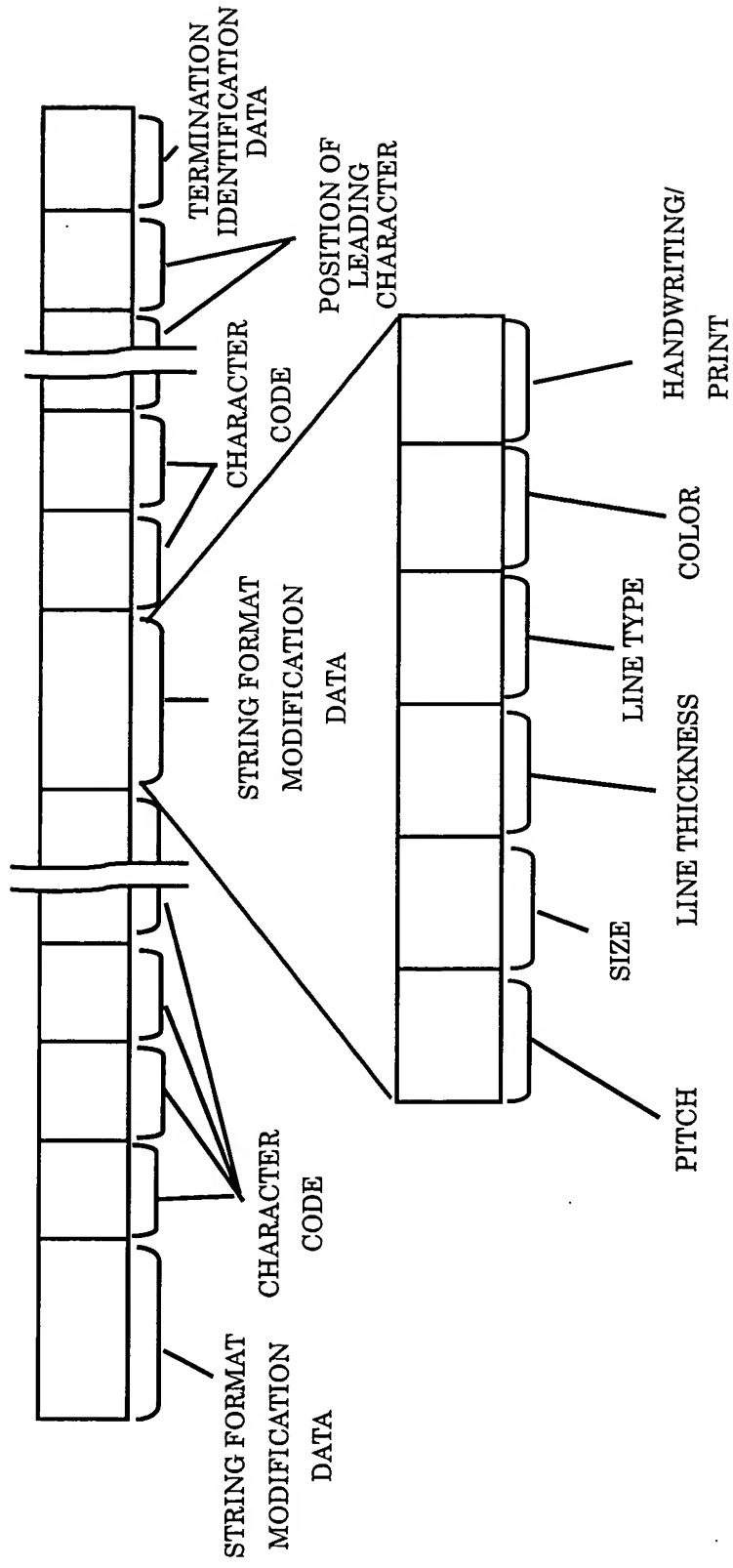




FIG. 1 7

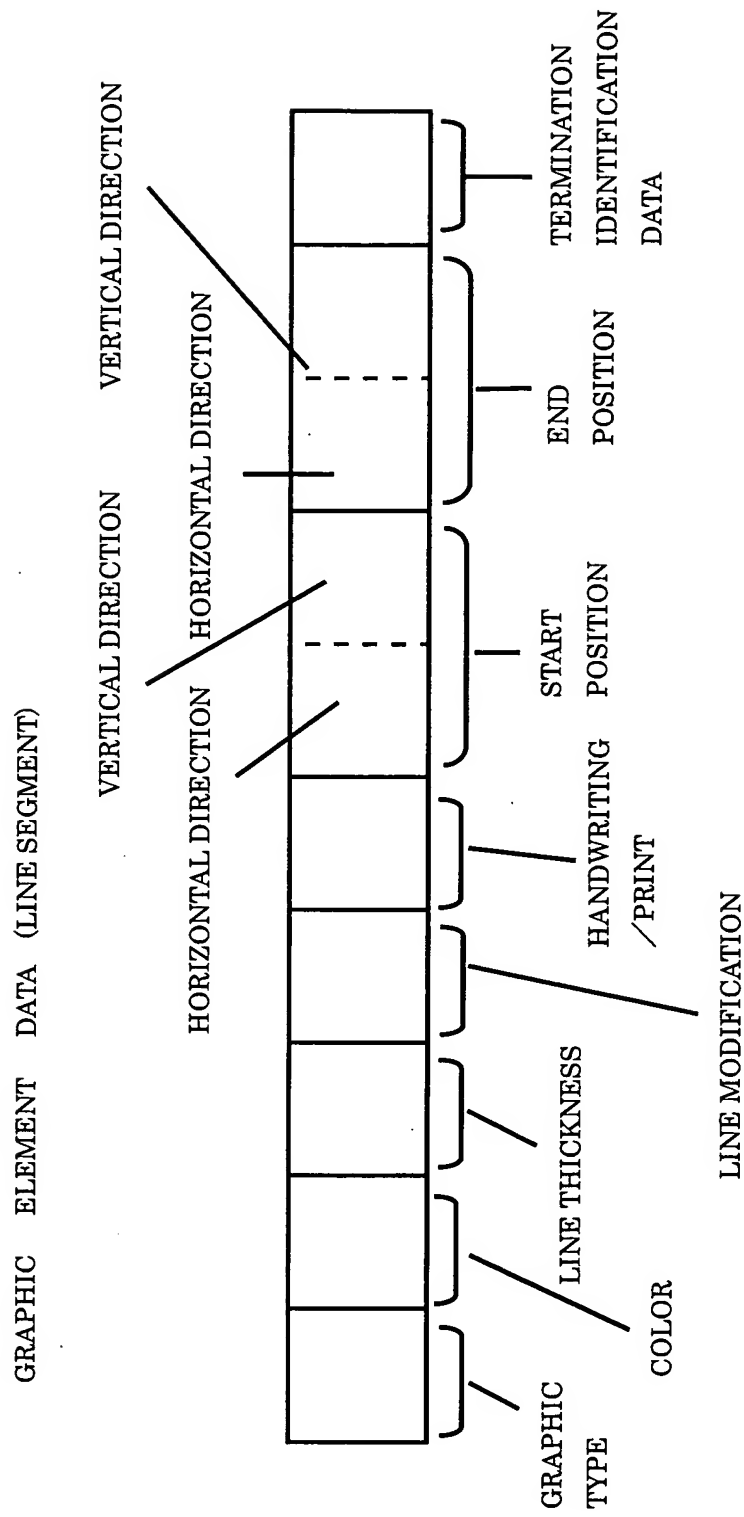


FIG. 1 8

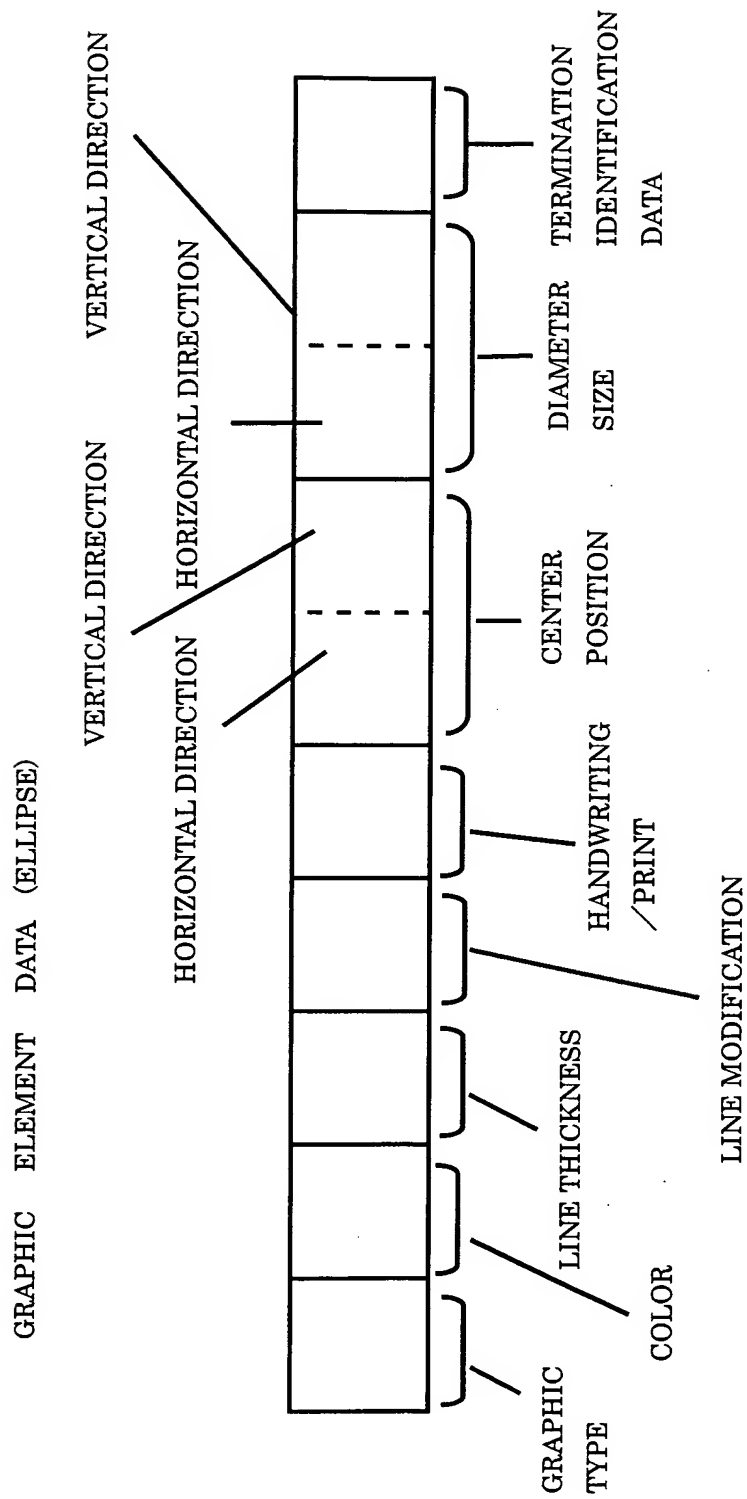


FIG. 19

# GRAPHIC ELEMENT DATA (RECTANGLE, <, ETC.)

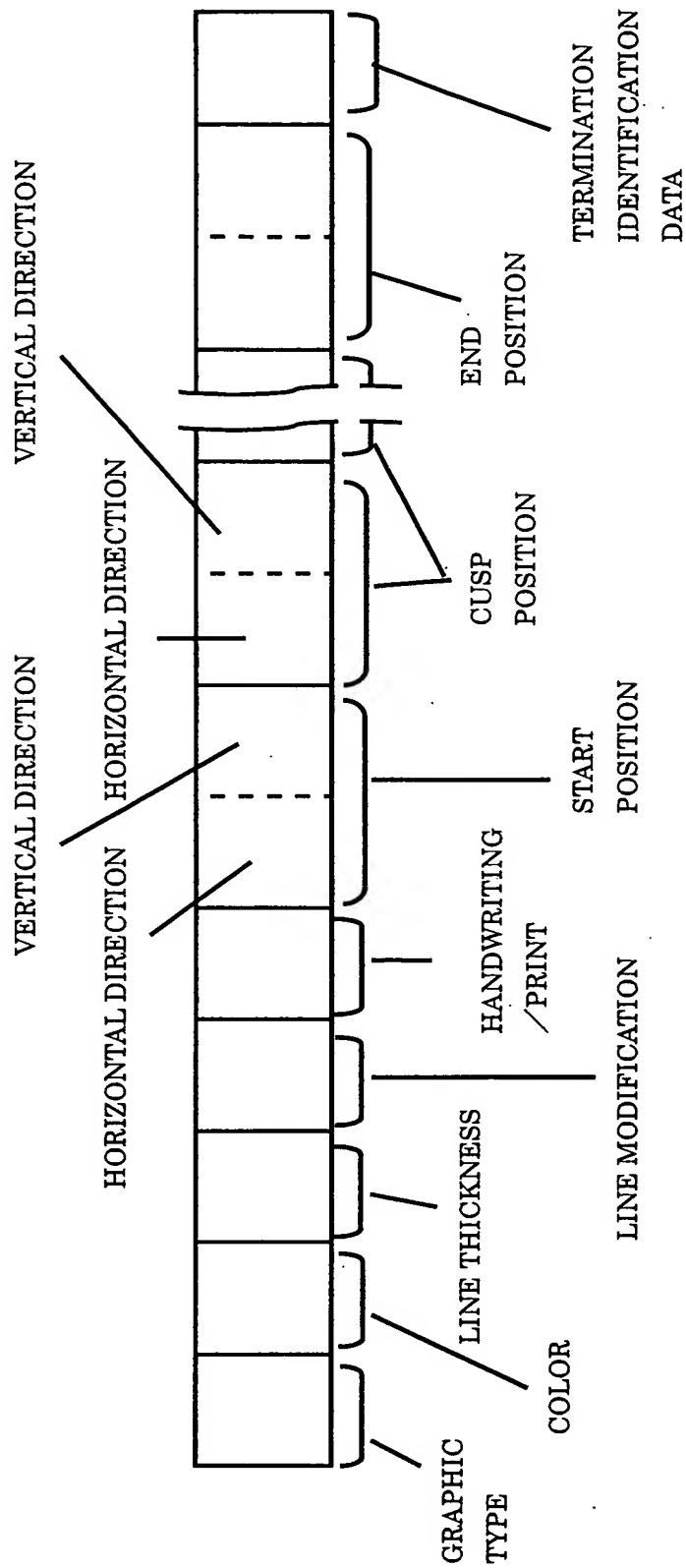


FIG. 20

CELL DATA (NORMAL CELL)

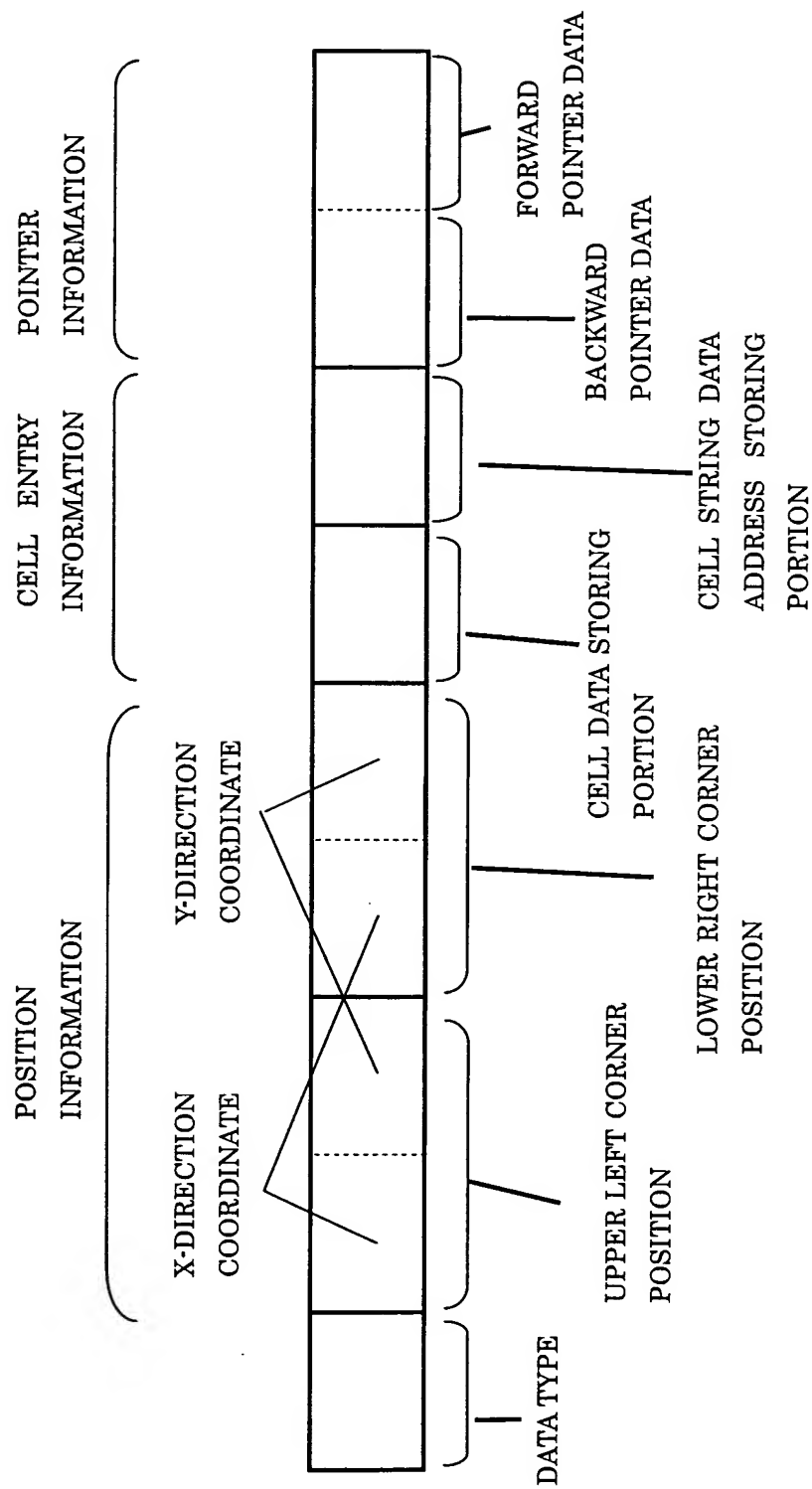


FIG. 2 1

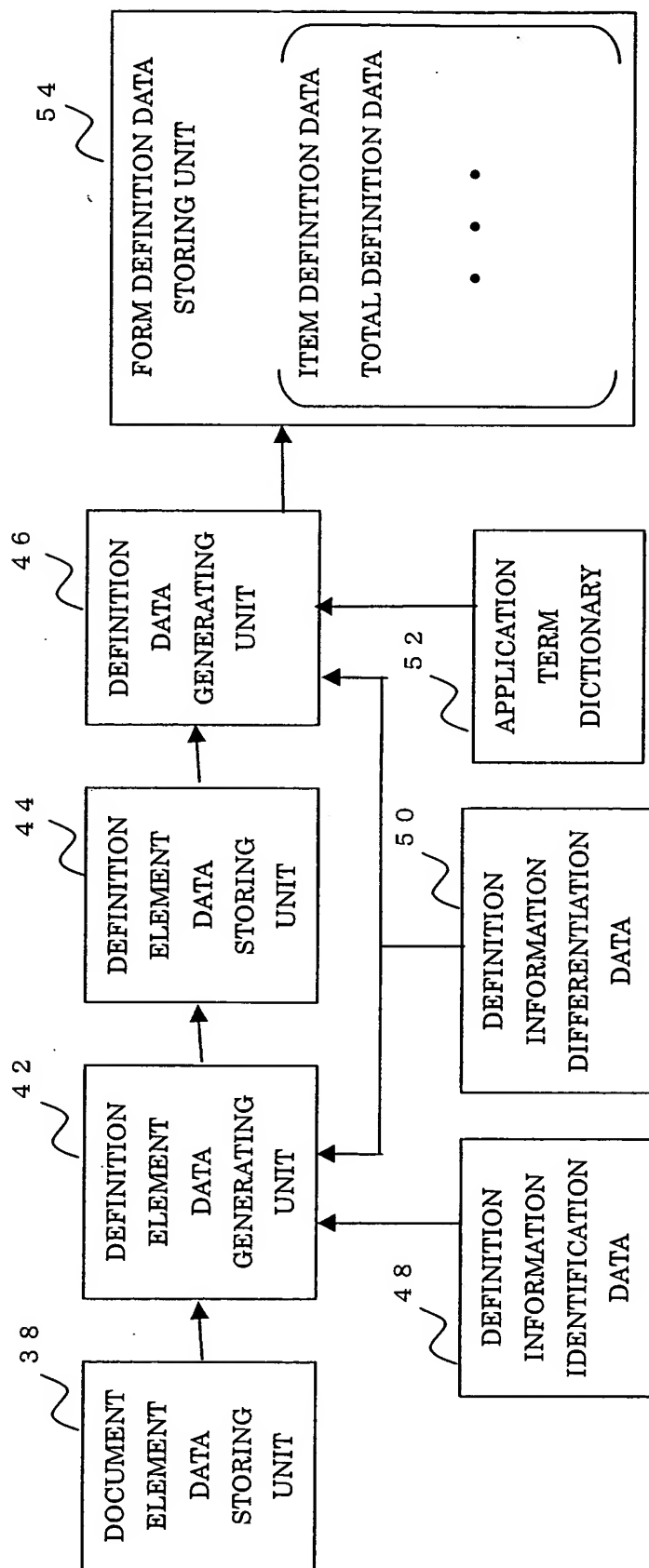


FIG. 2 2

DEFINITION ELEMENT DATA

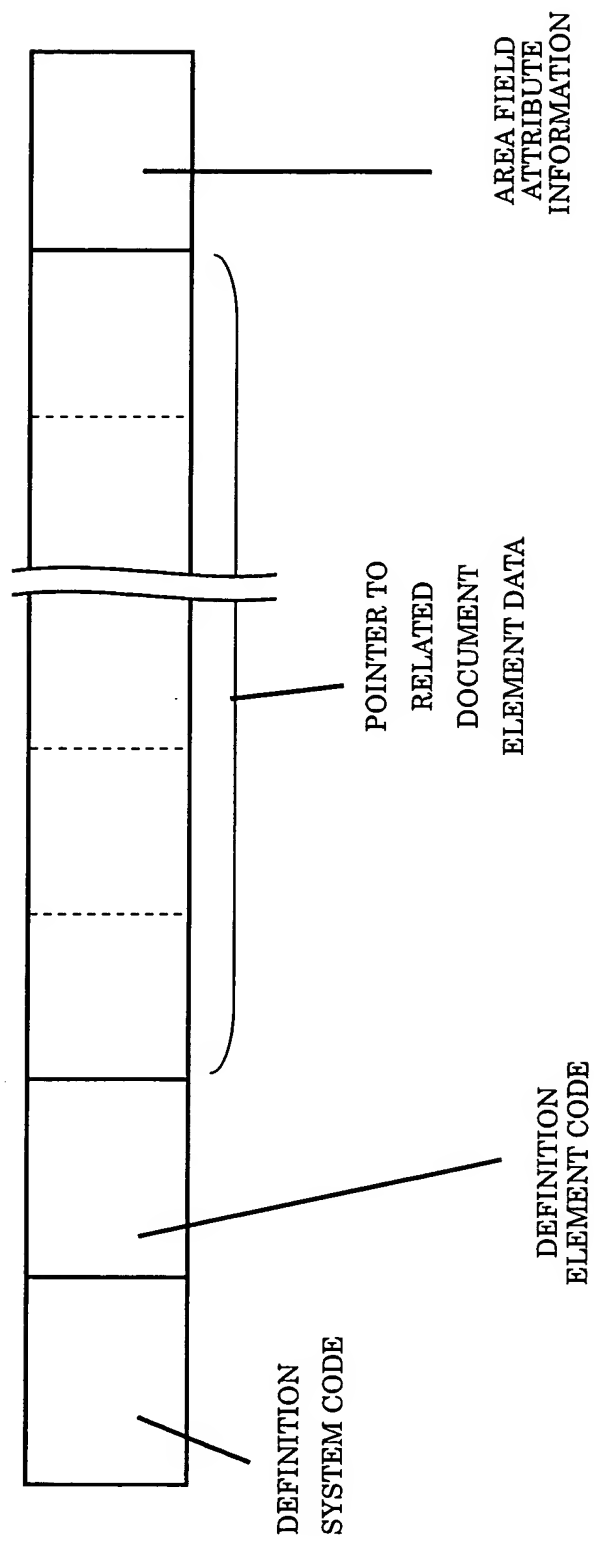


FIG. 2 3

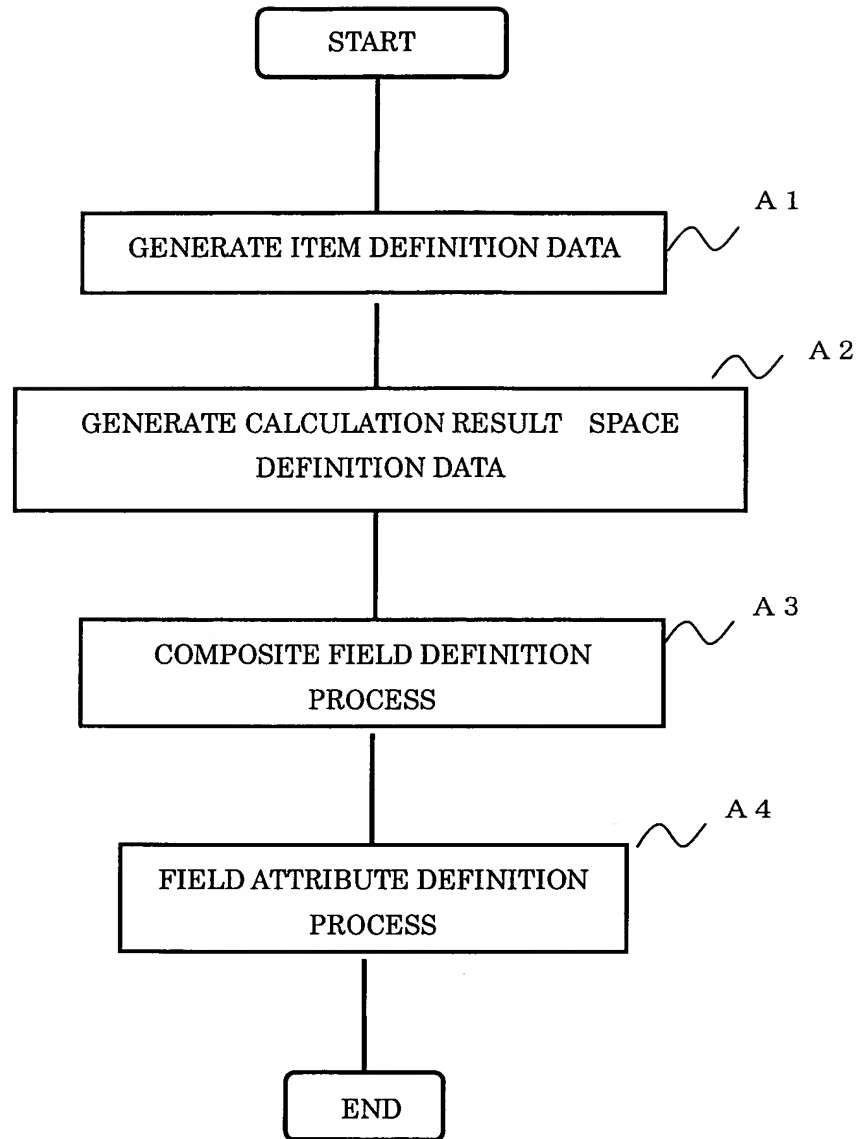


FIG. 2 4

# ITEM DEFINITION DATA

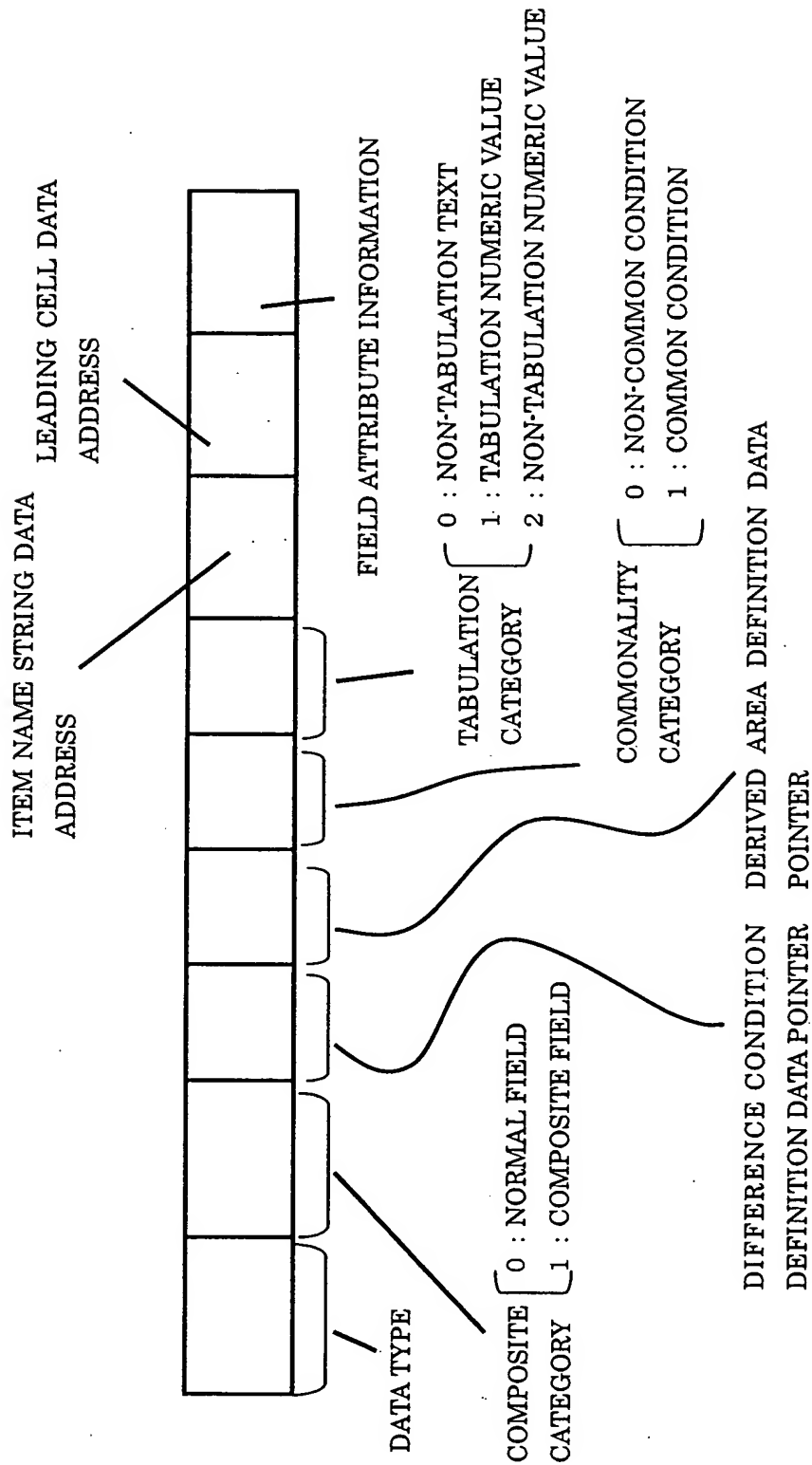




FIG. 2 5

TOTAL FIELD DEFINITION DATA

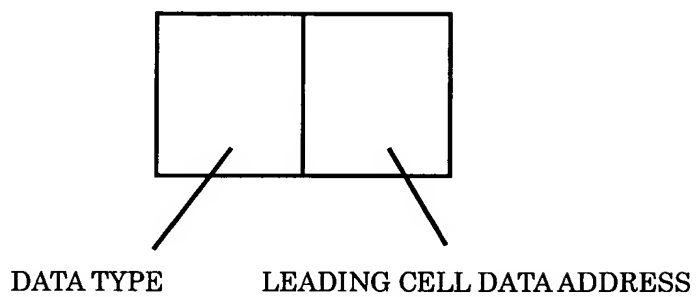


FIG. 26

SUB-DEFINITION SYSTEM	CHARACTER, STRING, AND SYMBOL USED
UNIT SPECIFICATION	k m, m, c m, mm M PIECES, K PIECES  M YEN, M¥, K YEN, K¥, YEN, ¥ ...  M DOLLARS, M\$, K DOLLARS, K\$, DOLLAR, \$ ...
EQUATION OPERATOR	=, +, ×, ÷ ...
CALCULATION RESULT SPECIFICATION	TOTAL, INTERMEDIATE TOTAL, MINOR TOTAL, GRAND TOTAL, ... AVERAGE, VARIANCE, ...

FIG. 27

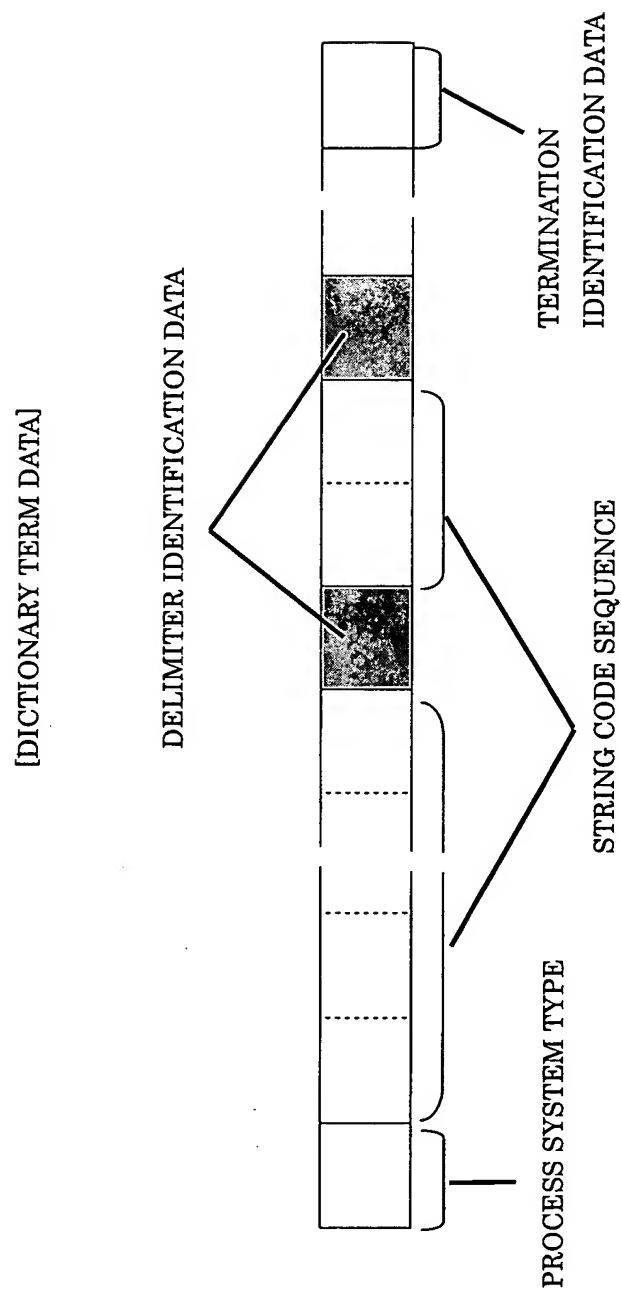


FIG. 2 8

CALCULATION TARGET FIELD OF TOTAL SPACE CELL A

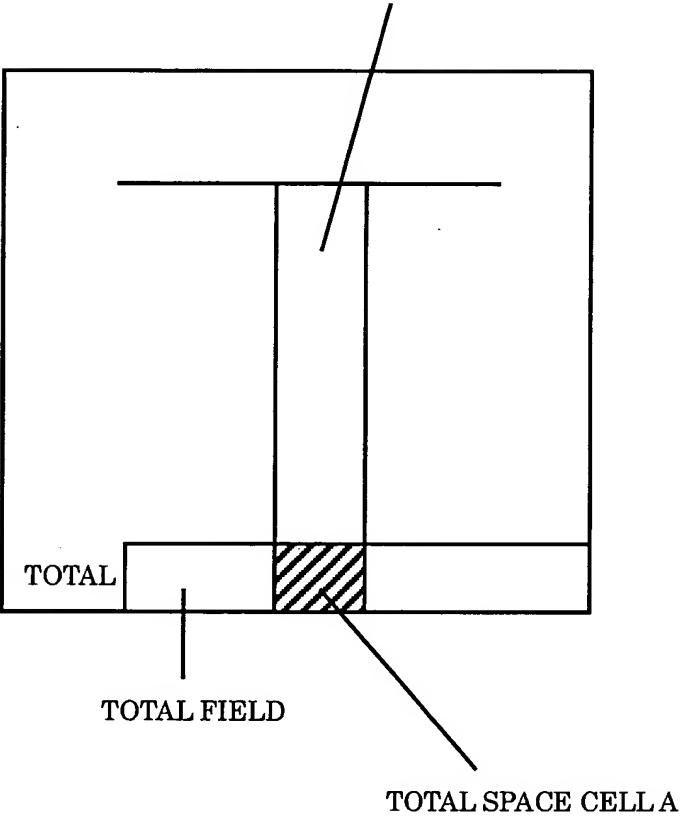


FIG. 29

PROCEDURE OF COMPOSITE FIELD DEFINITION PROCESS

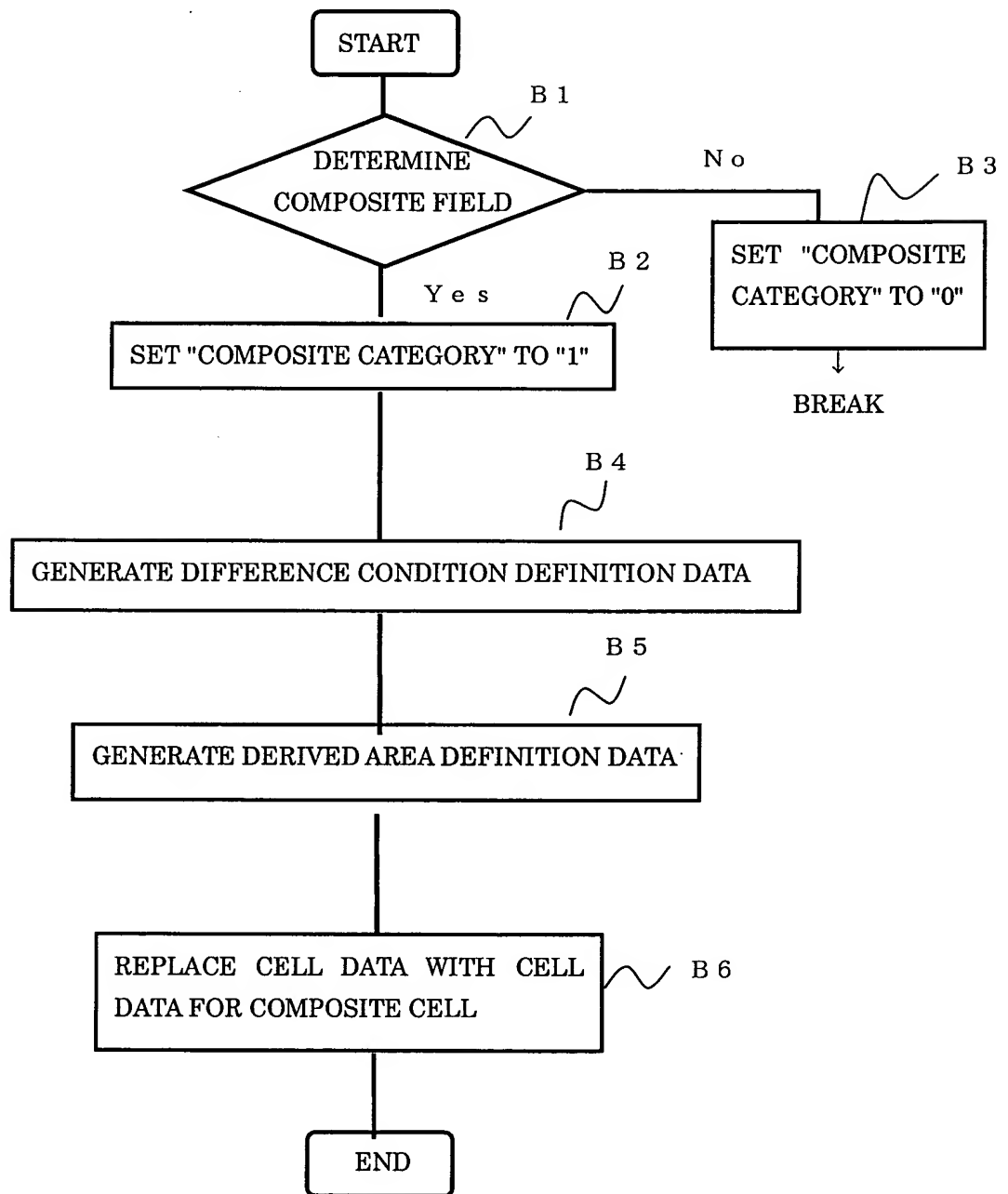


FIG. 30

DIFFERENCE CONDITION DEFINITION DATA

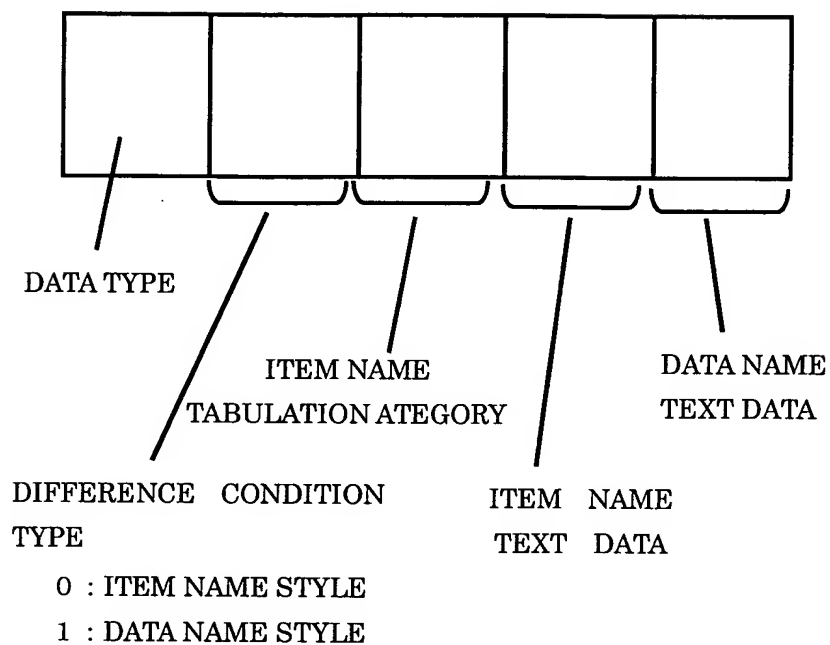
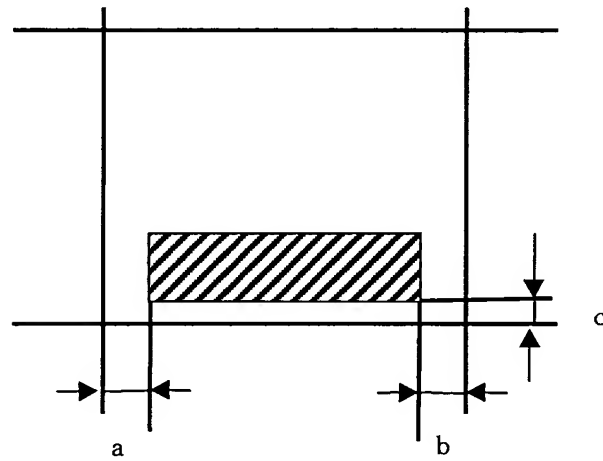


FIG. 3 1

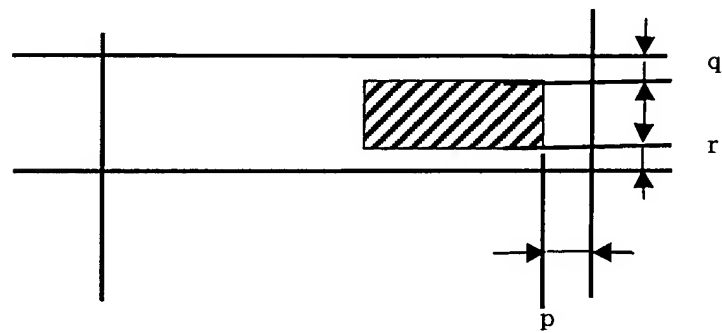
DERIVED AREA ALLOCATION DIRECTION IN CELL

(a) ALLOCATE IN DOWNWARD DIRECTION IN CELL



a, b, AND c ARE WITHIN REFERENCE VALUE

(b) ALLOCATE IN RIGHTWARD DIRECTION IN CELL

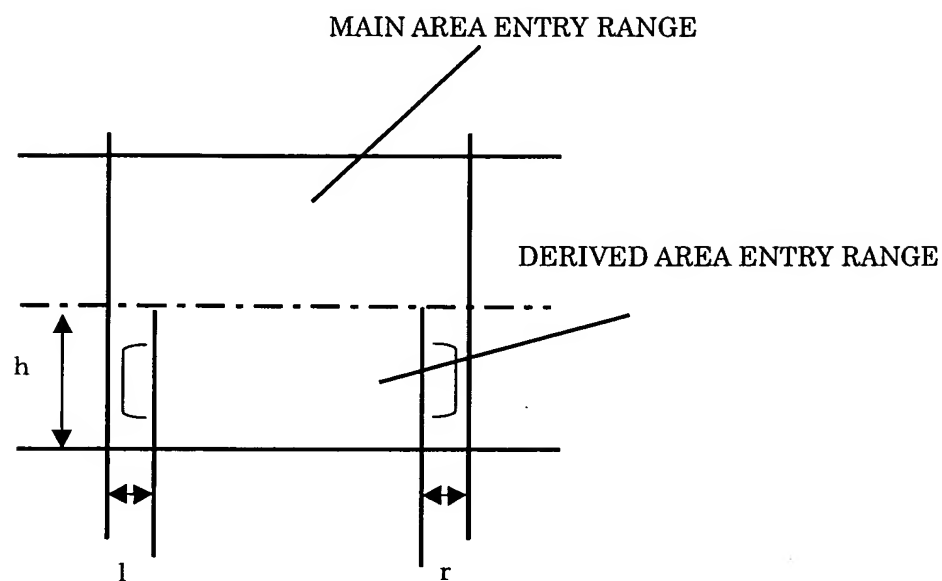


p, q, AND r ARE WITHIN REFERENCE VALUE

SHADED AREA IS EXTERIOR FRAME RECTANGLE OF  
DERIVED AREA GENERATING ELEMENT

FIG. 3 2

ENTRY RANGE OF DERIVED AREA



$h$ : DERIVED AREA DIVIDING POSITION

$l, r$ : BOTH-SIDE MARGIN OF DERIVED AREA



FIG. 3 3

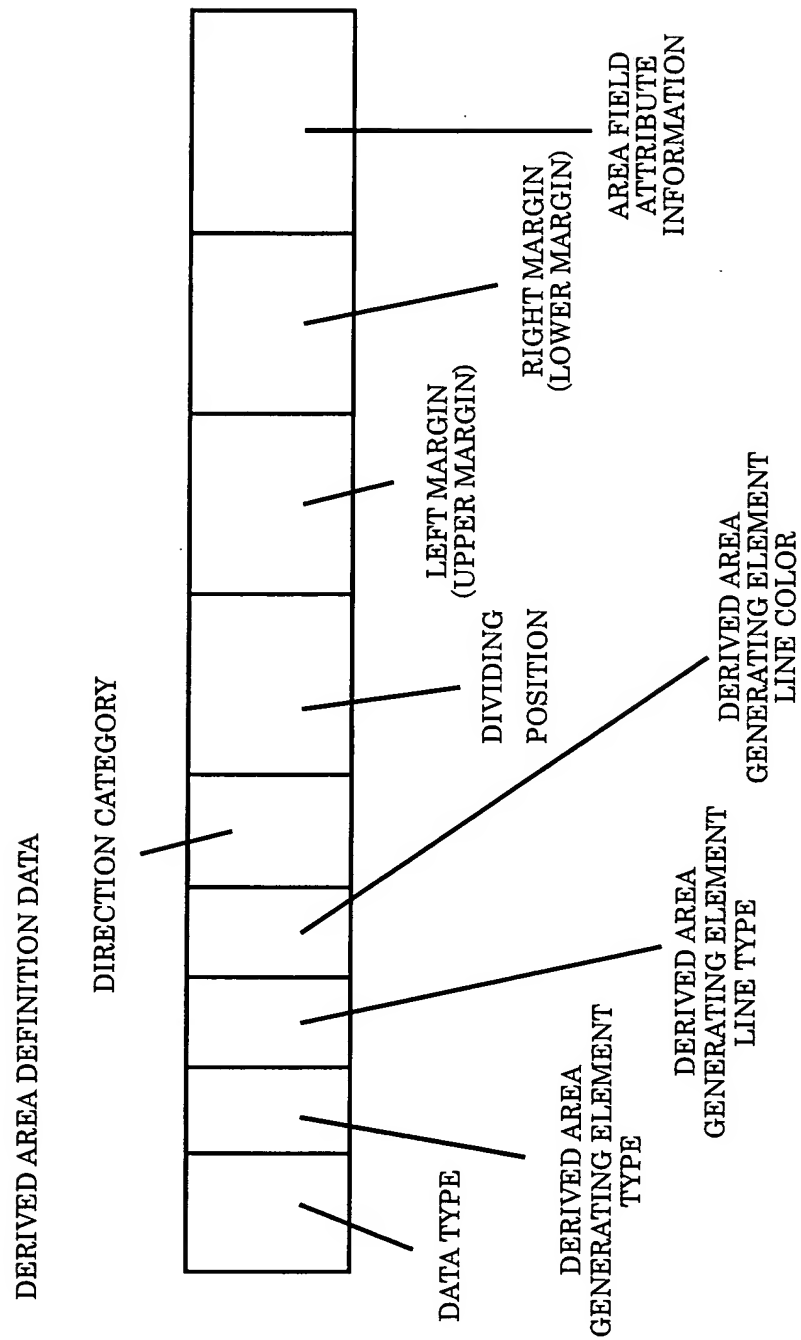


FIG. 3 4

CELL DATA FOR COMPOSITE CELL

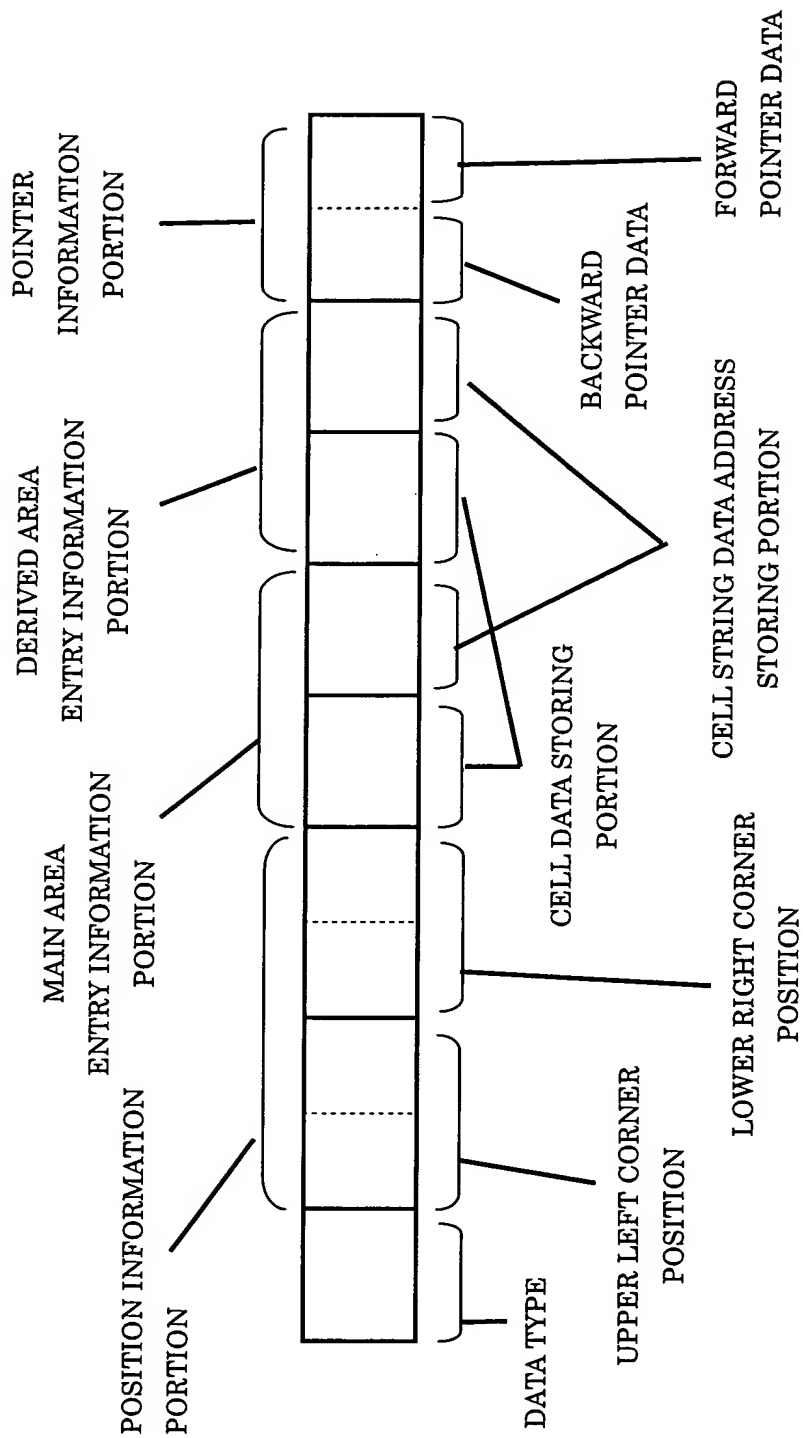


FIG. 3 5


9 0

SALE BOOK

2 0 a

KANDA BRANCH

YEAR 2000

PRODUCT NAME		UNIT PRICE (¥)	SALES AMOUNT (K¥)	
TOTAL				

MENU

MODE

0. LINKING LINE 1. FIELD 2. DATA ITEM

3. DATA NAME 4. TOTAL INSTRUCTION NAME 5. CALCULATING FORMULA

<DEFINITION> <SCREEN SETTING>

DEFINITION INTERPRETATION

9 2 9 4

9 5

FIG. 36

ITEM NAME SPECIFICATION MENU

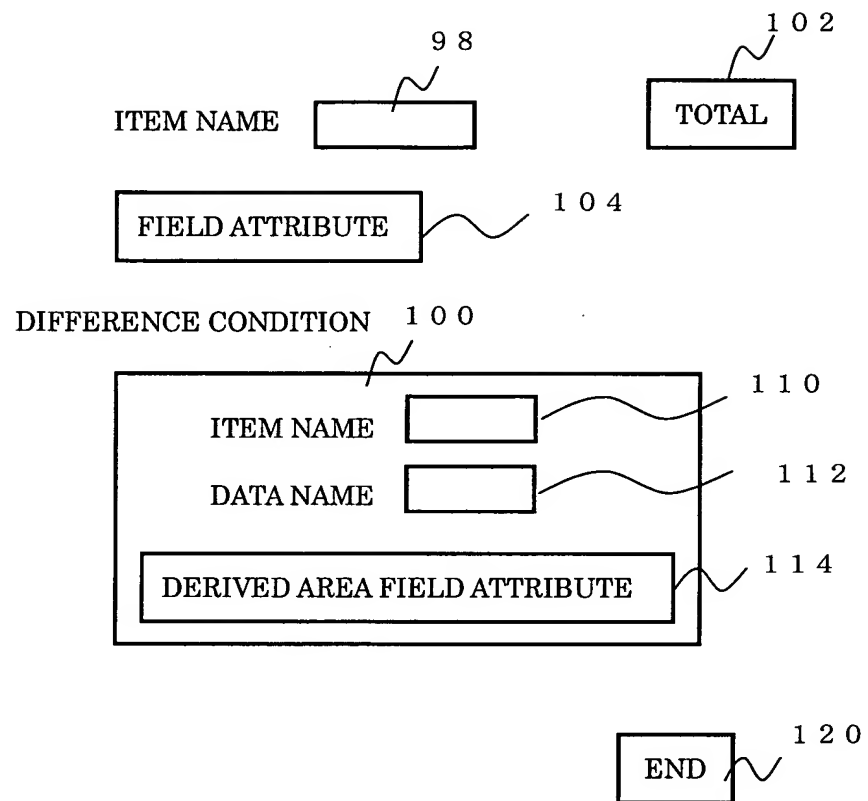


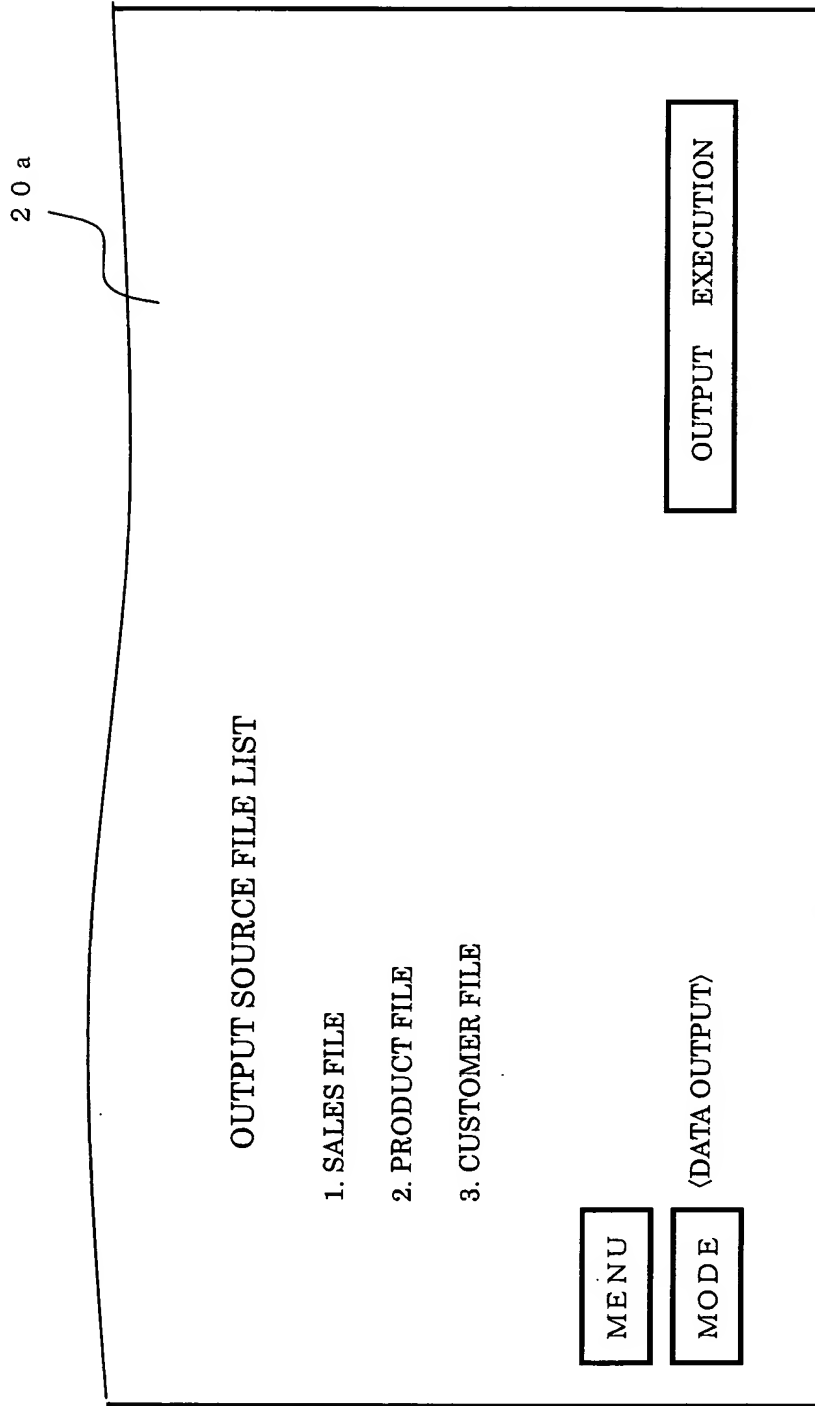
FIG. 3 7

OUTPUT SOURCE DATA FIELD

FIELD NAME	BRANCH	PRODUCT	YEAR	CODE	SALES VOLUME	SALES AMOUNT	PROFIT
FIELD LENGTH	2 0	2 0	2 0	5	5	5	5
NUMERIC VALUE/TEXT CATEGORY	0	0	0	2	1	1	1

- 0: TEXT
- 1: TABULATION NUMERIC VALUE
- 2: NON-TABULATION NUMERIC VALUE

FIG. 38



[ DATA OUTPUT MODE SCREEN ]

FIG. 3 9

DATA OUTPUT OVERALL PROCESS

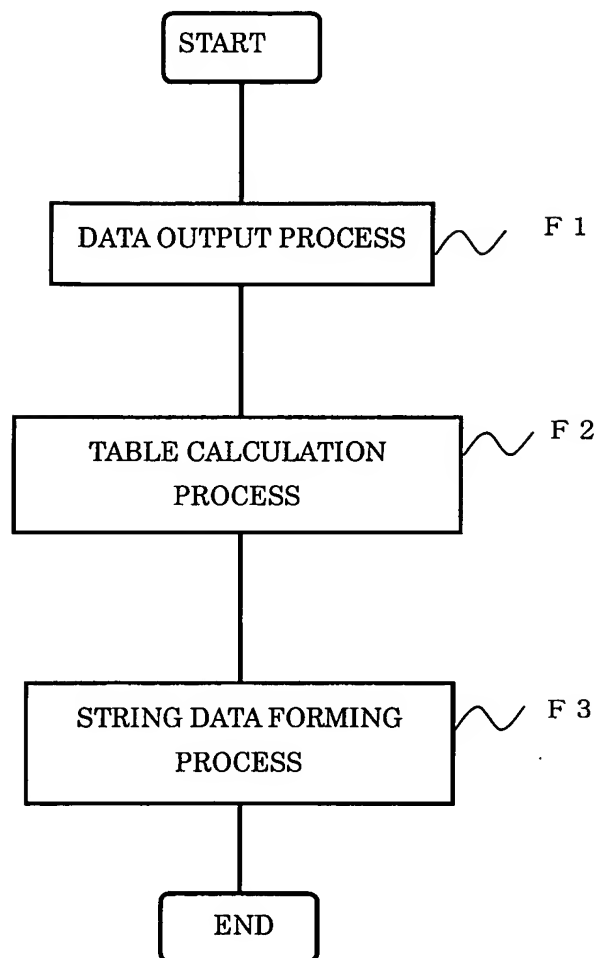


FIG. 40


IMAGE OF PICKING UP OF RECORD CELL SEQUENCE

SALES SUMMARY TABLE

YEAR ~~2001~~

([ ] INDICATES SALES OF YEAR 2000)

	[ ]			

 PICKING UP FROM CELL OR DATA IN SHADED AREAS

RELEVANT MAIN RECORD

<YEAR>	<BRANCH>	<PRODUCT CLASSIFICATION>	<SALES AMOUNT>
2001	OSAKA	RADIO	

RELEVANT SUB-RECORD

<YEAR>	<BRANCH>	<PRODUCT CLASSIFICATION>	<SALES AMOUNT>
2000	OSAKA	RADIO	



FIG. 41

PROCEDURE OF "DATA OUTPUT PROCESS"

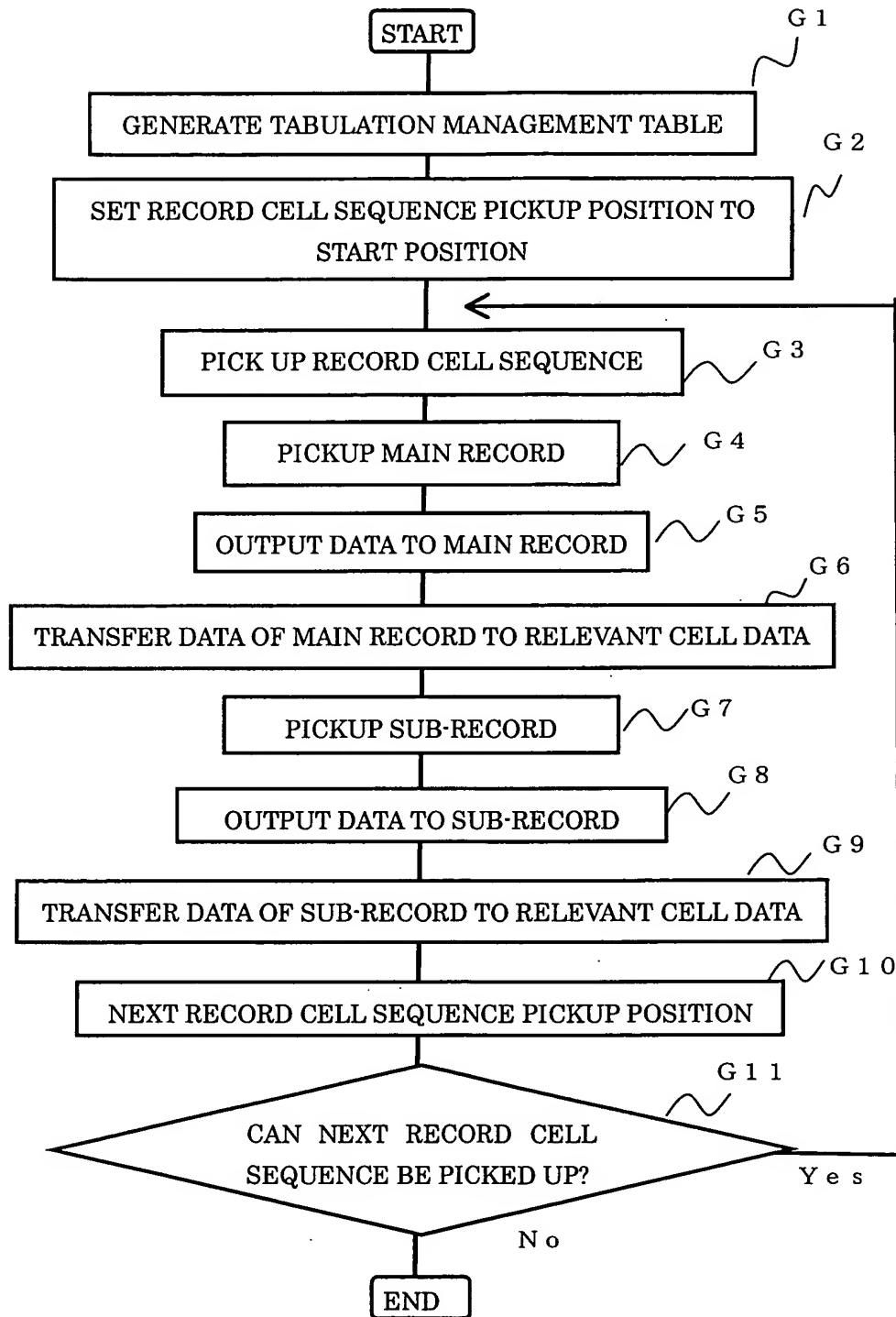


FIG. 42

FIRST ROW	ITEM NAME
-----------	-----------

SECOND ROW

TABULATION CATEGORY

THIRD ROW

OUTPUT DESTINATION CELL

DATA ADDRESS

FOURTH ROW

OUTPUT	DESTINATION
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

FIFTH ROW

## OUTPUT SOURCE CELL

DATA ADDRESS

SIXTH ROW

## OUTPUT SOURCE DATA

[illegible]

FIG. 43

PROCEDURE OF "DATA OUTPUT TO MAIN RECORD (COLUMN RECORD)"

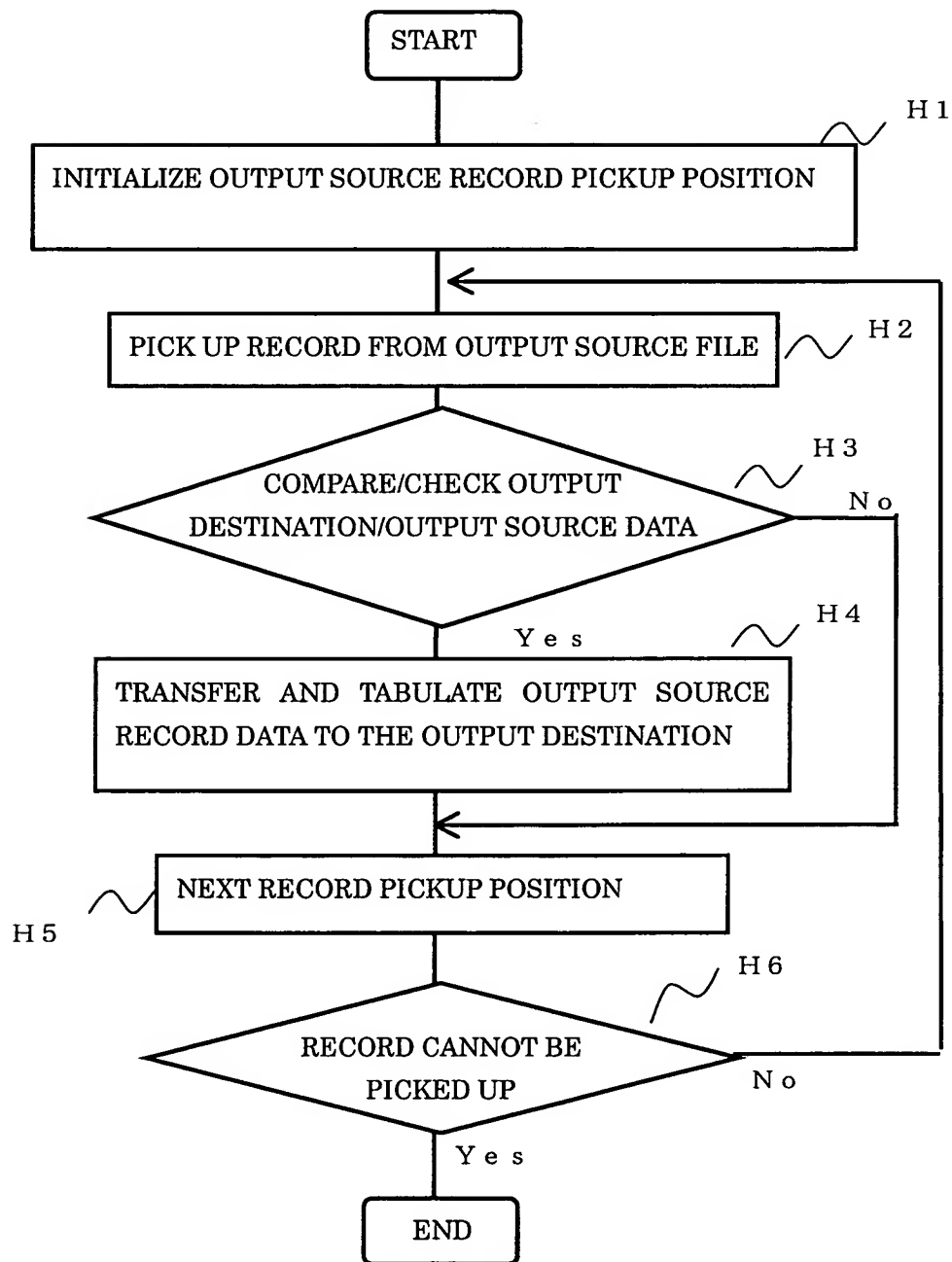


FIG. 4 4

SALES SUMMARY TABLE  
2001  
( [ ] INDICATES PROFIT )

PRODUCT	TOKYO	OSAKA	NAGOYA	TOTAL
TELEVISION	[ ]	[ ]	[ ]	[ ]
RADIO	[ ]	[ ]	[ ]	[ ]
CAR NAVIGATION SYSTEM	[ ]	[ ]	[ ]	[ ]
TOTAL	[ ]	[ ]	[ ]	[ ]

FIG. 4 5

(BLUE) <BRANCH> (BLUE) SALES SUMMARY TABLE (BLUE) <YEAR> (BLUE) [2001] (BLUE) ( [ ] INDICATES PROFIT ) (BLUE)

(BLUE) <PRODUCT> (BLUE) <PROFIT> (BLUE) (BLUE) (BLUE) (BLUE) (BLUE)

<PRODUCT>	TOKYO	OSAKA	NAGOYA	TOTAL
TELEVISION	[ ]	(BLUE) [ ]	(BLUE) [ ]	[ ]
RADIO	(BLUE) [ ]	[ ]	[ ]	[ ]
CAR NAVIGATION SYSTEM	[ ]	[ ]	[ ]	[ ]
TOTAL	(BLUE) [ ]	[ ]	[ ]	(BLUE) [ ]

(BLUE) SALES (BLUE)

FIG. 46

Figure 1 is a diagram of a "SALES SUMMARY TABLE". The table is structured as follows:

<PRODUCT>	[ TOKYO ]	OSAKA	NAGOYA	TOTAL
TELEVISION	(BLUE)	(BLUE)	(BLUE)	(BLUE)
RADIO	(BLUE)			(BLUE)
CAR NAVIGATION SYSTEM				(BLUE)
TOTAL	(BLUE)			(BLUE)

Annotations and labels in the diagram include:

- (BLUE) pointing to the table border.
- <BRANCH> pointing to the "PRODUCT" column header.
- <YEAR> pointing to the year selection mechanism (brackets for 2000 and 2001).
- (BLUE) indicating sales of year 2000.
- (BLUE) indicating sales of year 2001.
- (BLUE) pointing to the "TOTAL" column header.
- (BLUE) pointing to the "TOTAL" row header.
- (BLUE) pointing to the "SALES" column header.

FIG. 4 7

SALES SUMMARY TABLE

YEAR 2001

( [ ] INDICATES SALES OF YEAR 2000 )

PRODUCT	TOKYO	OSAKA	NAGOYA	TOTAL
TELEVISION	20,530 [19,380]	15,780 [13,250]	13,260 [11,320]	. . . [ . . . ]
RADIO	. . . [ . . . ]	. . . [ . . . ]	. . . [ . . . ]	. . . [ . . . ]
CAR NAVIGATION SYSTEM	. . . [ . . . ]	. . . [ . . . ]	. . . [ . . . ]	. . . [ . . . ]
TOTAL	. . . [ . . . ]	. . . [ . . . ]	. . . [ . . . ]	. . . [ . . . ]

FIG. 4 8

SALES SUMMARY TABLE

YEAR 2001

( [ ] INDICATES SALES OF YEAR 2000 )

PRODUCT	TOKYO	OSAKA	NAGOYA	TOTAL
TELEVISION	20,530 19,380	15,780 13,250	13,260 11,320	. . . . . .
RADIO	. . . . . .	. . . . . .	. . . . . .	. . . . . .
CAR NAVIGATION SYSTEM	. . . . . .	. . . . . .	. . . . . .	. . . . . .
TOTAL	. . . . . .	. . . . . .	. . . . . .	. . . . . .



